

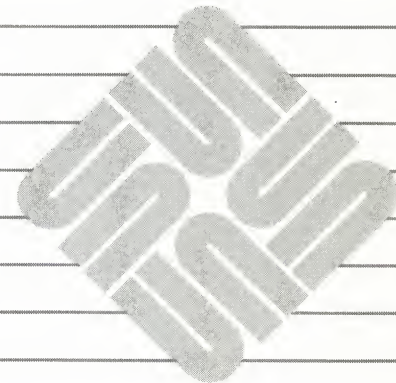


VME/SMD Disk Controller Configuration Procedures





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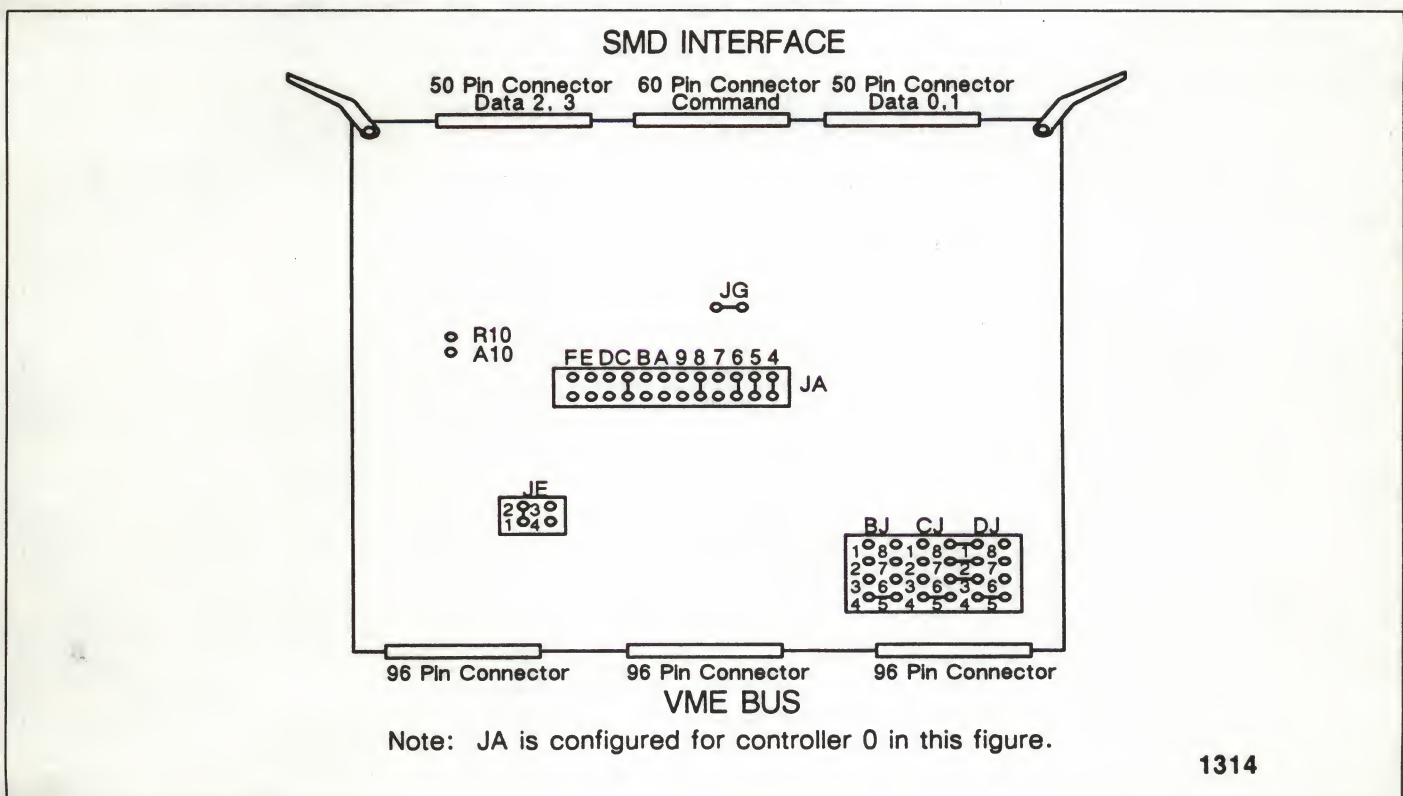
VME/SMD Disk Controller Configuration Procedures

The Sun VME/SMD (Xylogics 7053) Disk Controller is a high performance disk controller that has a maximum Direct Memory Access (DMA) transfer rate of 9.0 Megabytes per second. This Disk Controller supports overlapped seeks, multiple drive types and disk transfer rates of up to 2.4 Megabytes per second. The VME/SMD Disk Controller is available only from Sun Microsystems, and communicates with Sun equipment via the VME bus in the Sun Logic Enclosure. The following Sections show the locations, and settings for the jumpers on the VME/SMD Disk Controller.

1. Jumper Locations

The following Figure shows the locations of the jumpers on the VME/SMD Disk Controller.

Figure 1 VME/SMD Disk Controller Jumper Locations



2. Jumper Settings

The following Table shows the correct settings of the jumpers on the VME/SMD Disk Controller.

Table 1 VME/SMD Disk Controller Jumper Settings

Jumper Settings for Jumper Block JA at Location Y8													
Function	Address	Section											
		F	E	D	C	B	A	9	8	7	6	5	4
Base Address Selection		Setting											
	EE80 xdc0	OUT	OUT	OUT	IN	OUT	OUT	OUT	IN	OUT	IN	IN	IN
	EE90 xdc1	OUT	OUT	OUT	IN	OUT	OUT	OUT	IN	OUT	IN	IN	OUT
	EEA0 xdc2	OUT	OUT	OUT	IN	OUT	OUT	OUT	IN	OUT	IN	OUT	IN
	EEB0 xdc3	OUT	OUT	OUT	IN	OUT	OUT	OUT	IN	OUT	IN	OUT	OUT

The Bus Request and Bus Grant jumpers (described below) are shown in their Level 3 positions; furthermore, the VME/SMD Disk Controller, when used in a Sun system, *only* supports Bus Request Level 3. *Any* other setting will render the board inoperable in a Sun system.

Match Jumper Blocks JB, JC, JD to Xylogics 7053 silk screen.

The following portion of the table is more graphic than tabular in its content. This is due to the unusual jumpering scheme employed.

Jumper Settings for Jumper Blocks JB, JC and JD				
Function	Priority Level	Setting		
Bus Request and Bus Grant Priority	0	<div><div>JB</div><div><div><div>1</div><div>8</div></div><div><div>2</div><div>7</div></div><div><div>3</div><div>6</div></div><div><div>4</div><div>5</div></div></div><div>(Bus Grant IN)</div></div>	<div><div>JC</div><div><div><div>1</div><div>8</div></div><div><div>2</div><div>7</div></div><div><div>3</div><div>6</div></div><div><div>4</div><div>5</div></div></div><div>(Bus Grant OUT)</div></div>	<div><div>JD</div><div><div><div><div>8</div><div>1</div></div><div><div>7</div><div>2</div></div><div><div>6</div><div>3</div></div><div><div>4</div><div>5</div></div></div><div>(Bus Request)</div></div></div>
	1			
	2			
	3			

Jumper Settings for Jumper Block JE

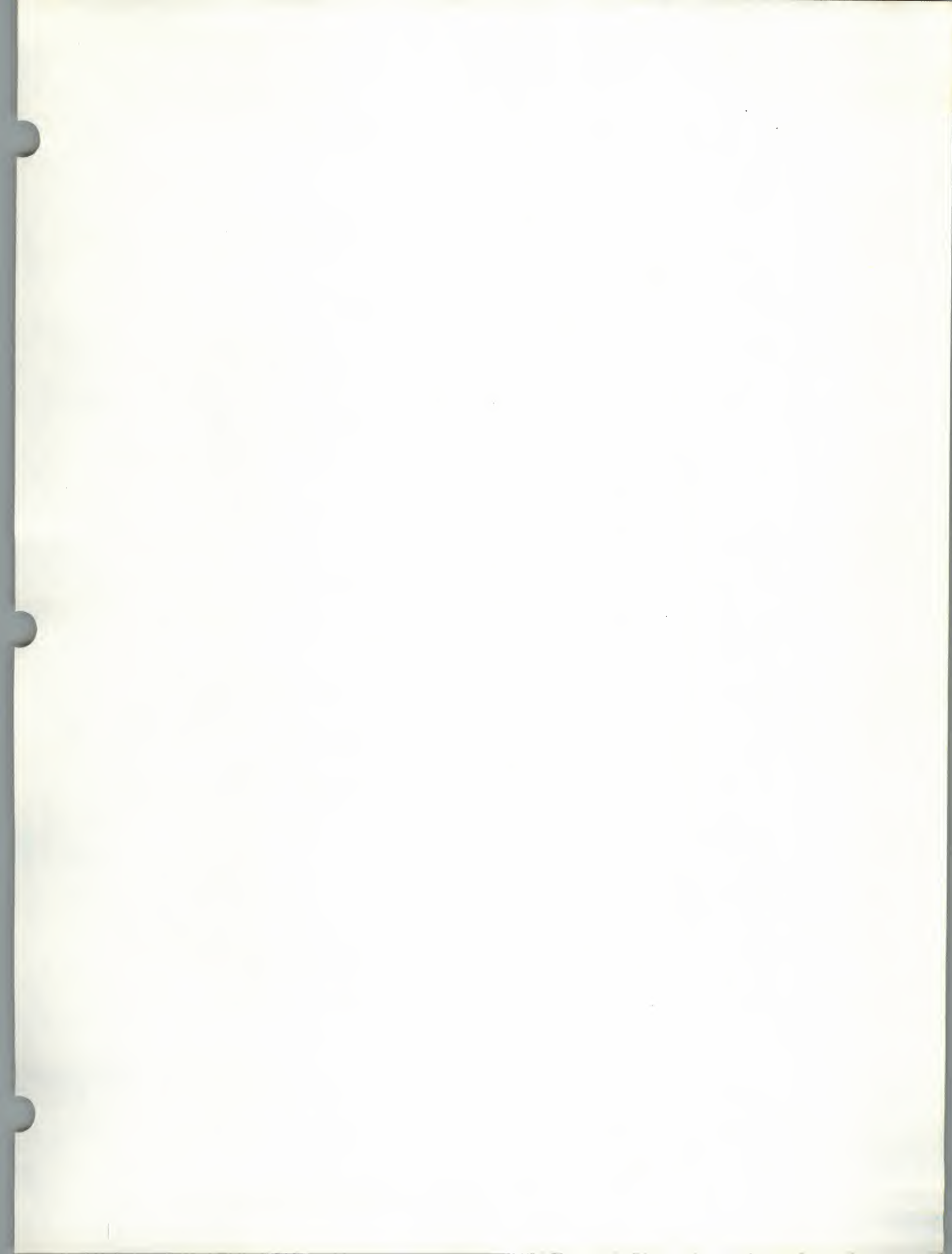
<i>Function</i>	<i>Mode</i>	<i>Setting</i>
Format Parameters and Maintenance	Diagnostics and Severe Format Restrictions	No Jumpers
	Normal Use	Jumper between pins 1 and 2
	No Self-Test	Jumper between pins 3 and 4

Jumper Setting for Jumper Block JG

Function	Setting
Release bus if data not available	This jumper must <i>Always</i> be installed (ACTIVE)

CAUTION : Pins A10 and R10 are NOT jumpers. They are Test Points, and should NEVER be jumpered together.







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